

Amendments to the Claims

Claim 1 (original): An electrical connector for electrically connecting an electronic package to a circuit substrate, the electrical connector comprising:

an insulative base having a plurality of receiving passageways defined therein;

a plurality of electrical terminals respectively received in the receiving passageways;

a cover slidably engaged on the base, the cover having a plurality of through holes defined therethrough for receiving leads of the electronic package; and

an actuation device assembled between the base and the cover for actuating the cover to slide along the base, the actuation device comprising a cam pole, and an operation lever extending substantially perpendicularly from one end of the cam pole;

wherein the actuation device further comprises a spring member, and the cam pole comprises a cam engaging with the spring member.

Claim 2 (original): The electrical connector as claimed in claim 1, wherein the spring member comprises a mating portion, and the cam comprises a first surface engaging with the mating portion and a second surface opposite to the first surface.

Claim 3 (original): The electrical connector as claimed in claim 2, wherein a distance between any point on the first surface and a central axis of rotation of the cam pole is less than that between any point on the second surface and said central axis.

Claim 4 (original): The electrical connector as claimed in claim 3, wherein the base comprises a main body, and a head portion extending from one end of the main body, and the main body defines a first receiving space in an end thereof nearest the head portion.

Claim 5 (original): The electrical connector as claimed in claim 4, wherein the cam pole comprises, in sequence, a first positioning column, a first portion, a second portion, a third portion and a second positioning column.

Claim 6 (original): The electrical connector as claimed in claim 5, wherein the first portion defines a generally arch-shaped first block thereon, the second portion defines a generally arch-shaped second block thereon, and the third portion defines a cam thereat adjoining the operation lever.

Claim 7 (original): The electrical connector as claimed in claim 6, wherein the first block is partly received in the first receiving space of the base.

Claim 8 (original): The electrical connector as claimed in claim 4, wherein a clipping slot is defined in the base in communication with the first receiving space.

Claim 9 (original): The electrical connector as claimed in claim 8, wherein the clipping slot receives a clip therein.

Claim 10 (original): The electrical connector as claimed in claim 4, wherein the head portion defines a second receiving space therein, and the second receiving space is bounded, in sequence, by a recess, a receiving slot, a first receiving portion receiving the spring member therein, and a second receiving portion receiving the operation lever therein.

Claim 11 (original): The electrical connector as claimed in claim 10, wherein the first receiving portion adjoins the second receiving portion, and the second receiving portion comprises two opposite slantwise surfaces.

Claim 12 (original): The electrical connector as claimed in claim 10, wherein the first receiving portion comprises a recessed portion being in alignment with the receiving slot.

Claim 13 (original): The electrical connector as claimed in claim 12, wherein the mating portion of the spring member is received in the recessed portion, and a space is defined therebetween.

Claim 14 (original): The electrical connector as claimed in claim 10, wherein the first receiving portion comprises a pair of opposite first walls, a pair of coplanar second walls perpendicular to and adjoining respective first walls, a pair of blocks adjacent insiders of the first walls respectively, and a pair of grooves defined between the first walls and the corresponding blocks respectively.

Claim 15 (currently amended): An actuation device used for an electrical connector, the actuation device comprising:

a cam pole; and

an operation lever extending substantially perpendicularly from one end of the cam pole;

wherein the actuation device further comprise a spring member, and the cam pole comprises a cam engaging with the spring member to automatically urge the actuation device to a predetermined open position when the actuation device is released from a closed position.

Claim 16 (original): The actuation device as claimed in claim 15, wherein the spring member comprises a mating portion, and the cam comprises a first surface engaging with the mating portion and a second surface opposite to the mating portion.

Claim 17 (original): The actuation device as claimed in claim 16, wherein a distance between any point on the first surface and a central axis of rotation of the cam pole is less than that between any point on the second surface and said central axis.

Claim 18 (currently amended): An electrical connector comprising:

an insulative base with a plurality of contacts therein;

a cover mounted upon the base and movable relative to the base between opposite open and closed positions along a direction;

an actuation device mounted to at least one of said base and said cover, and operably moving said cover between said open and closed positions, and

a guiding member mounted to at least ~~[[on]]~~ one of said base and said cover, and engageable with the actuation device so as to guidably urge said actuation device to be in a stable correct location when said cover is right about to be moved to either said open position or said closed position, thus assuring said cover is correctly located in either said open position or said closed position.

Claim 19 (original): The connector as claimed in claim 18, wherein said actuation device defines a cam pivotal about an axis, and said cam is engaged with the guiding member for urging the actuation device to be in the stable correct location.

Claim 20 (original): The connector as claimed in claim 19, wherein said axis extends along said direction.